

AMENDMENT TO THE CLAIMS

1. (Currently amended) A kit for producing frame structures for switchgear cabinets, comprising:

a cabinet rack (30) made of four horizontal broad struts (31), four horizontal depth struts (32), and four vertical frame legs (33) of a preset width, a preset depth and a preset height,

plate-shaped cover elements (20) having on two opposite sides fastening edges (23) beveled at right angles with at least one row of fastening receivers (23.1, 23.2),

vertical frames (10) made of two vertical profiled frame elements (11) and two horizontal broad frame struts (12) ~~installable in~~ connectable to each of the cabinet rack (30) or the plate-shaped cover elements (20).

~~wherein the vertical frames (10) connect to the cabinet rack (30) and one of connected with at the depth struts (32), and attached at different spacings~~

wherein the vertical frames (10) connect with the plate-shaped cover elements (20) by base profiled sides (11.3) of the vertical profiled frame elements (11) to insides of the fastening edges (23) of the ~~plate-shaped~~ cover elements (20), and

Serial No.: 10/586,574

with the plate-shaped cover elements (20) used as a bottom frame element and a top frame element form an independent basic rack (60), and

at least one cabinet door (80) beveled on a circumference and hinged to the cover elements (20).

2. (Currently amended) The kit in accordance with claim 1, wherein the horizontal broad struts (31), the horizontal depth struts (32) and the vertical frame legs (33) of the cabinet rack (30) are formed as sections of respectively identical profiled elements fixedly connected with each other in corner areas of the switchgear cabinet rack (30) by corner connectors (40).

3. (Currently amended) The kit in accordance with claim 1, wherein the horizontal broad struts (31) and the horizontal depth struts (32) of the switchgear cabinet rack (30) form a solid bottom frame and a solid cover frame (35) and the vertical frame legs (33) with ~~[[the]]~~ corner connectors (40) form ~~a continuous exterior receiver~~ an outer receptacle (36) in the corner areas of the bottom frame and the top frame (35).

Serial No.: 10/586,574

4. (Currently amended) The kit in accordance with claim 3, wherein the ~~vertical profiled frame elements (11) have a profiled base side~~ sides (11.3) with include at least one row of fastening receivers (11.4) which terminate with front faces of the horizontal broad vertical struts (12), and the vertical profiled frame elements (11) further include lateral legs (11.1 and 11.6) are beveled off on both sides of the profiled base side (11.3) which are oriented to longitudinal sides of the associated horizontal broad frame struts (12) of the vertical frames (10) and connected.

5. (Currently amended) The kit in accordance with claim 4, wherein at least one row of ~~identical~~ fastening receivers (11.2, 11.7) is cut in a uniform aligned graduation into ~~the profiled base side (11.3)~~ and the beveled lateral legs (11.1 and 11.6) of the vertical profiled frame elements (11).

6. (Canceled)

Serial No.: 10/586,574

7. (Currently amended) The kit in accordance with claim 5 [[6]], wherein the horizontal broad frame struts (12) and the vertical profiled frame elements (11) of the vertical frames (10) are fixedly connected with each other in the corner areas.

8. (Previously presented) The kit in accordance with claim 7, wherein the horizontal broad frame struts (12) of the vertical frames (10) have cable guide openings (12.2), and the two vertical frames (10) are connectible by fastening receivers (12.3) of the horizontal broad frame struts (12) with facing tops of the horizontal depth struts (32) of the cabinet rack (30) at different distances from each other.

9. (Currently amended) The kit in accordance with claim 8, wherein [[the]] base plates (21) of the plate-shaped cover elements (20) have cable introduction recesses ([[21.2]] 21.1) in the ~~basic~~ independent rack (60) ~~above~~ outside in a vertical direction from the horizontal broad frame struts (12) of the vertical frames (10).

Serial No.: 10/586,574

10. (Currently amended) The kit in accordance with claim 9, wherein the fastening edges (23) of the plate-shaped cover elements (20) have connecting strips (26) beveled toward an exterior on free edges and protrude beyond the base plate (21) of the cover elements (20) over the fastening edges (23) and with the connecting strips (26) form receivers for attaching lateral walls on the basic independent rack (60).

11. (Currently amended) The kit in accordance with claim 10, wherein the base plates (21) of the plate-shaped cover elements (20) protrude at sides extending perpendicularly with respect to the fastening edges (23) and have bevels (25), on which a cabinet door is connected with a hinge ~~hinged~~ and lockable, and a ~~fastened~~ rear wall is fastened to.

12. (Currently amended) The kit in accordance with claim 11, wherein the base plates (21) of the plate-shaped cover elements (20) have a center opening (21.2) and fastening bores (22) in the corner areas.

Serial No.: 10/586,574

13. (Currently amended) The kit in accordance with claim 12, wherein the cabinet rack (30) is formed of ~~an identical~~ the bottom frame (35) and ~~an identical~~ the top frame (35) which face each other ~~with protruding corner connectors (40)~~ and are connected ~~with each other~~ via the four vertical frame legs (33) positioned between corner connectors (40) of each of the bottom frame (35) and corner connectors (40) of the top frame (35) to form the cabinet rack (30).

14. (Currently amended) The kit in accordance with claim 13, wherein the vertical frame legs (33) of the cabinet rack (30) have a profiled element with a plug-in connection (33.3) for a plug-in element (40.2) of the corner connectors (40), wherein with an exterior contour the profiled element forms the ~~exterior~~ outer receptacle (36) which is symmetrical with respect to a diagonal plane of the bottom frame and the top frame (35).

15. (Currently amended) The kit in accordance with claim 14, wherein the bottom frame and the top frame (35) of the cabinet rack (30) have corner receivers (35.1) into which the corner connectors (40) are placed with a filler element (40.1) and connected with one of the bottom frame and the top frame (35), and with an exterior contour the filler elements (40.1) of the corner connectors (40) extend the

Serial No.: 10/586,574

~~exterior receptacles~~ outer receptacle (36) of the vertical ~~profiled~~ frame legs element (33) of the cabinet rack (30) beyond the bottom frame and the top frame (35).

16. (Currently amended) The kit in accordance with claim 15, wherein the front sides (33.1, 33.2) of the vertical ~~profiled~~ frame legs elements (33) of the cabinet rack (30) are connected upright with the facing sides of the bottom frame and the top frame (35) and the filler elements (40.1) of the corner connectors (40).

17. (Currently amended) The kit in accordance with claim 16, wherein the vertical ~~profiled~~ frame legs elements (33) of the cabinet rack (30) form a channel (33.0) open to an interior of the cabinet rack (30), between the bottom frame and the top frame (35), which is closed by a profiled box (50), and the profiled box (50) has vertical channels (50.1, 50.2) and rows of bores (50.4) in a cover wall (50.3).

18. (Currently amended) The kit in accordance with claim 17, wherein the cover wall (50.3) of the profiled box (50) covers the channel (33.0) in the vertical ~~profiled~~ frame legs elements (33) of the cabinet rack (30) with covering strips (50.5).

Serial No.: 10/586,574

19. (Currently amended) The kit in accordance with claim 18, wherein a profiled side (33.4) of the vertical ~~profiled~~ frame ~~legs section~~ (33) forming the channel (33.0) supports connecting strips (33.5) formed on ~~the~~ an exterior of ~~[[the]]~~ a free profiled side (33.6).

20. (Currently amended) The kit in accordance with claim 19, wherein the cabinet door (80) has ~~[[a]]~~ ~~the~~ beveled edge (82, 83) which receives hinge elements (87) with hinge bolts (86), which can be inserted into bearing receivers (28) of the ~~plate-shaped~~ cover elements (20) of the ~~basic independent~~ rack (60) in the corner areas of the hinge side of the cabinet door (80), and the hinge bolts (86) are adjustable in an axially limited manner in the hinge elements (87) and can be fixed on the bevel (25) of the ~~plate-shaped~~ cover elements (20) against shifting, at least in a position engaged with one of ~~[[a]]~~ ~~the~~ facing bearing receiver (28) and a bearing bushing (29).

21. (Withdrawn) The switchgear cabinet in accordance with claim 20, wherein end edges (23.3) of the fastening edges (23) of the cover elements (20) are set back relative to the bevel (25) by at least an amount that at least corresponds to dimensions of a first door bevel (82) directed perpendicularly to a door leaf.

Serial No.: 10/586,574

22. (Withdrawn) The switchgear cabinet in accordance with claim 21, wherein bearing bushes (29) are inserted into the bearing receivers (28) in the bevels (25) of the cover elements (20).

23. (Withdrawn) The switchgear cabinet in accordance with claim 22, wherein a lock side of the cabinet door (80) has displaceable locking bars which are shifted one of manually and by a rod closing device and are insertable into one of the bearing receivers (28) and the bearing bushes (29) of the bevels (25) of the cover elements (20) of the basic rack (60), and are removable.

24. (Previously presented) The kit in accordance with claim 1, wherein the vertical profiled frame elements (11) have a profiled base side (11.3) with at least one row of fastening receivers (11.4) which terminate with front faces of the horizontal broad vertical struts (12), and lateral legs (11.1 and 11.6) are beveled off on both sides of the profiled base side (11.3) which are oriented to longitudinal sides of the associated horizontal broad frame struts (12) of the vertical frames (10) and connected.

Serial No.: 10/586,574

25. (Previously presented) The kit in accordance with claim 1, wherein the horizontal broad frame struts (12) and the vertical profiled frame elements (11) of the vertical frames (10) are fixedly connected with each other in the corner areas.

26. (Previously presented) The kit in accordance with claim 1, wherein the horizontal broad frame struts (12) of the vertical frames (10) have cable guide openings (12.2), and the two vertical frames (10) are connectible by fastening receivers (12.3) of the horizontal broad frame struts (12) with facing tops of the horizontal depth struts (32) of the cabinet rack (30) at different distances from each other.

27. (Currently amended) The kit in accordance with claim 1, wherein the cabinet rack (30) is formed of ~~an identical~~ the bottom frame (35) and ~~an identical~~ the top frame (35) which face each other ~~with protruding corner connectors (40)~~ and are connected ~~with each other~~ via the four vertical frame legs (33) positioned between corner connectors (40) of each of the bottom frame (35) and corner connectors (40) of the top frame (35) to form the cabinet rack (30).

28. (Currently amended) The kit in accordance with claim 1, wherein the cabinet door (80) has a beveled edge (82, 83) which receives hinge elements (87) with hinge bolts (86), which can be inserted into bearing receivers (28) of the plate-shaped cover elements (20) of the ~~basic~~ independent rack (60) in the corner areas of the hinge side of the cabinet door (80), and the hinge bolts (86) are adjustable in an axially limited manner in the hinge elements (87) and can be fixed on ~~[[the]]~~ a bevel (25) of the plate-shaped cover elements (20) against shifting, at least in a position engaged with one of a facing bearing receiver (28) and a bearing bushing (29).

29. (Withdrawn) The switchgear cabinet in accordance with claim 1, wherein end edges (23.3) of the fastening edges (23) of the cover elements (20) are set back relative to the bevel (25) by at least an amount that at least corresponds to dimensions of a first door bevel (82) directed perpendicularly to a door leaf.

30. (Currently amended) The switchgear cabinet in accordance with claim 1, wherein bearing bushes (29) are inserted into ~~[[the]]~~ bearing receivers (28) in ~~[[the]]~~ bevels (25) of the plate-shaped cover elements (20).

Serial No.: 10/586,574

31. (Currently amended) The switchgear cabinet in accordance with claim 1, wherein a lock side of the cabinet door (80) has displaceable locking bars which are shifted one of manually and by a rod closing device and are insertable into one of ~~[[the]]~~ bearing receivers (28) and ~~[[the]]~~ bearing bushes (29) of ~~[[the]]~~ bevels (25) of the plate-shaped cover elements (20) of the ~~basic independent~~ rack (60), and are removable.

32. (Currently amended) A kit for producing frame structures for switchgear cabinets, comprising:

a cabinet rack (30) including four horizontal broad struts (31), four horizontal depth struts (32), and four vertical frame legs (33), each of a preset width, a preset depth and a preset height, two vertical frames (10) each including two horizontal broad frame struts (12) and two vertical profiled frame elements (11) installable in each of the ~~[[a]]~~ cabinet rack (30) ~~[[and]]~~ or cover elements (20), ~~each connectible with the depth strut (32), cover elements (20) including a bottom element and a top element connectible with two spaced-apart of the vertical frames (10) to form an independent basic rack (60)~~, and at least one cabinet door (80) ~~each~~ hingedly attached on one of the cover elements (20) and beveled on a circumference of the at least one cabinet door (80),

Serial No.: 10/586,574

wherein the vertical frames (10) connect to the cabinet rack (30) at the horizontal depth struts (32), and

wherein the two vertical frame (10) spaced apart are connectable to the cover elements (20) separate from the cabinet rack (30) to form a separate independent rack (60), the cover elements (20) forming a top element and a bottom element of the independent rack (60).